

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office and citizenship are as stated below next to my name,

I believe I am the original and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HUMAN TOLL HOMOLOGUES

the specification of which (check only one item below):

is attached hereto.

was filed as United States application Serial No. _____ on _____
and was amended on _____ (if applicable.).

was filed as PCT international application Number PCT/US98/21141 on 07 October 1998 and was
amended under PCT Article 19 on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
<hr/>			
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I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of such of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued)

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

U.S. APPLICATIONS		STATUS (check one)		
U.S. Application Number	U.S. Filing Date	Patented	Pending	Expired
60/062,250	17 October 1997			X
60/065,311	13 November 1997			X
60/083,322	28 April 1998		X	
60/090,863	26 June 1998		X	
09/105,413	26 June 1998		X	

PCT APPLICATIONS DESIGNATING THE U.S.

PCT Application No.	PCT Filing Date	U.S. Serial Numbers			

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Sean A. Johnston	- Reg. No. <u>35,910</u>	Deirdre L. Conley	- Reg. No. <u>36,487</u>
Timothy E. Torchia	- Reg. No. <u>36,700</u>	Jeffrey S. Kubinec	- Reg. No. <u>36,575</u>
Walter E. Buting	- Reg. No. <u>23,092</u>	Janet E. Hasak	- Reg. No. <u>28,616</u>
Ginger R. Dreger	- Reg. No. <u>33,055</u>	Timothy R. Schwartz	- Reg. No. <u>32,171</u>
Richard B. Love	- Reg. No. <u>34,659</u>		
Wendy M. Lee	- Reg. No. <u>40,378</u>		
Craig G. Svoboda	- Reg. No. <u>39,044</u>		

Send correspondence to

Genentech, Inc.
Attn: Ginger R. Dreger
1 DNA Way
South San Francisco, CA 94080-4990
Telephone: (650) 225-3216

I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issue thereon.

The undersigned hereby authorizes the U.S. attorney or agent named herein at accept and follow instructions from his foreign patent agent as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

Full name of sole or first inventor

Audrey Goddard

Inventor's signature

Date

Audrey Goddard
Residence
110 Congo Street, San Francisco, CA 94131 CA

Nov. 18/98

Citizenship

CA

Post Office Address

1 DNA Way, South San Francisco, CA 94080-4990

Full name of second or joint inventor, if any

Paul J. Godowski

Second Inventor's signature

Date

Residence

2627 Easton Drive, Burlingame, CA 94010

Citizenship

US

Post Office Address

1 DNA Way, South San Francisco, CA 94080-4990

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued)

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

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Timothy E. Torchia	- Reg. No. 36,700	Jeffrey S. Kubinec	- Reg. No. 36,575
Walter E. Buting	- Reg. No. 23,092	Janet E. Hasak	- Reg. No. 28,616
Ginger R. Dreger	- Reg. No. 33,055	Timothy R. Schwartz	- Reg. No. 32,171
Richard B. Love	- Reg. No. 34,659		
Wendy M. Lee	- Reg. No. 40,378		
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Full name of sole or first inventor

Audrey Goddard

Inventor's signature

Date

Residence

110 Congo Street, San Francisco, CA 94131

Citizenship

CA

Post Office Address

1 DNA Way, South San Francisco, CA 94080-4990

Full name of second or joint inventor, if any

Paul J. Godowski

Second Inventor's signature

Date

Residence

2627 Easton Drive, Burlingame, CA 94010

CA

Citizenship

US

Post Office Address

1 DNA Way, South San Francisco, CA 94080-4990

11.19.98

300
Attorney's Docket No. P1154R2
COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued)

Full name of 3rd inventor
Austin L. Gurney

Third Inventor's signature

Residence
1 Debbie Lane, Belmont, CA 94010

Date

11/27/93

Citizenship
US

Post Office Address
1 DNA Way, South San Francisco, CA 94080-4990

Full name of 4th inventor, if any
Melanie R. Mark

Fourth Inventor's signature

Date

Residence
958 B Chula Vista Avenue, Burlingame, CA 94010

Citizenship
US

Post Office Address
1 DNA Way, South San Francisco, CA 94080-4990

Full name of 5th inventor
Ruey-Bing Yang

Fifth Inventor's signature

Date

Residence
2045 Sea Cliff Way, San Bruno, CA 94066

Citizenship
CN

Post Office Address
1 DNA Way, South San Francisco, CA 94080-4990

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued)

Full name of 3rd inventor

Austin L. Gurney

Third Inventor's signature

Date

Residence

1 Debbie Lane, Belmont, CA 94010

Citizenship

US

Post Office Address

1 DNA Way, South San Francisco, CA 94080-4990

Full name of 4th inventor, if any

Melanie R. Mark

Fourth Inventor's signature

Melanie R. Mark

Date

11.18.98

Residence

958 B Chula Vista Avenue, Burlingame, CA 94010 *CA*

Citizenship

US

Post Office Address

1 DNA Way, South San Francisco, CA 94080-4990

Full name of 5th inventor

Ruey-Bing Yang

Fifth Inventor's signature

Ruey-Bing Yang

Date

Residence

2045 Sea Cliff Way, San Bruno, CA 94066

Citizenship

CN

Post Office Address

1 DNA Way, South San Francisco, CA 94080-4990

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued)

Full name of 3rd inventor

Austin L. Gurney

Third Inventor's signature

Date

Residence

1 Debbie Lane, Belmont, CA 94010

Citizenship

US

Post Office Address

1 DNA Way, South San Francisco, CA 94080-4990

Full name of 4th inventor, if any

Melanie R. Mark

Fourth Inventor's signature

Date

Residence

958 B Chula Vista Avenue, Burlingame, CA 94010

Citizenship

US

Post Office Address

1 DNA Way, South San Francisco, CA 94080-4990

Full name of 5th inventor

Ruey-Bing Yang

Fifth Inventor's signature

Ruey-Bing Yang

Date

11-23-98

Residence

2945 Sea Cliff Way, San Bruno, CA 94066

117 Goldhunter Court, Foster City, CA 94404 (7)

Citizenship

CN Taiwan, R.O.C

(RBY)

(RBY)

Post Office Address

1 DNA Way, South San Francisco, CA 94080-4990

PDR
PDR
PDR
PDR
PDR
PDR

GENERAL POWER OF ATTORNEY
(for several international applications filed under the Patent Cooperation Treaty)
(PCT Rule 90.5)

The undersigned person(s):
(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

GENENTECH, INC.
1 DNA Way
South San Francisco, CA 94080-4990
US

hereby appoints (appoint) the following person as: agent common representative

Name and address
(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

SCHWARTZ, Timothy R.
BUTING, Walter E.
CONLEY, Deirdre L.
HASAK, Janet E.
KUBINEC, Jeffrey S.
All of
GENENTECH, INC.
1 DNA Way
South San Francisco, CA 94080-4990
US

DREGER, Ginger R.
LEE, Wendy M.
LOVE, Richard B.
SVOBODA, Craig S.
MARSCHANG, Diane L.

WINTER, Daryl B.
TORCHIA, Timothy E.
JOHNSTON, Sean A.

to represent the undersigned before

all the competent International Authorities
 the International Searching Authority only
 the International Preliminary Examining Authority only

in connection with any and all international applications filed by the undersigned with the following Office

United States Patent and Trademark Office

as receiving Office

and to make or receive payments on behalf of the undersigned.

Signatures of the applicant(s) (where there are several persons, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading this power):



Cynthia J. Ladd
Vice President, Corporate Law

Date: August 7, 1997

POWER OF ATTORNEY
(for an international application filed under the Patent Cooperation Treaty)
(PCT Rule 90.4)

The undersigned applicant(s) (*Names should be indicated as they appear in the request*):

Austin L. Gurney

hereby appoints (appoint) the following person as: agent common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

DREGER, Ginger R.

BUTING, Walter E.

CONLEY, Deirdre L.

HASAK, Janet E.

KUBINEC, Jeffrey S.

All of

GENENTECH, INC.

1 DNA Way

South San Francisco, CA 94080-4990

SCHWARTZ, Timothy R.

LEE, Wendy M.

LOVE, Richard B.

SVOBODA, Craig S.

TORCHIA, Timothy E.

JOHNSTON, Sean A.

to represent the undersigned before

all the competent International Authorities
 the International Searching Authority only
 the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: HUMAN TOLL HOMOLOGUES

Applicant's or agent's file reference: P1154R2

International application number (if already available): PCT/US

filed with the following Office

RO/US _____

as receiving Office

and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (*where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power*):

Austin L. Gurney

Date:

10/15/98

RO/US 07 DEC 1998

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

Melanie R. Mark

hereby appoints (appoint) the following person as: agent common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

DREGER, Ginger R.

SCHWARTZ, Timothy R.

BUTING, Walter E.

LEE, Wendy M.

TORCHIA, Timothy E.

CONLEY, Deirdre L.

LOVE, Richard B.

JOHNSTON, Sean A.

HASAK, Janet E.

SVOBODA, Craig S.

KUBINEC, Jeffrey S.

All of

GENENTECH, INC.

1 DNA Way

South San Francisco, CA 94080-4990

to represent the undersigned before



all the competent International Authorities



the International Searching Authority only



the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: HUMAN TOLL HOMOLOGUES**Applicant's or agent's file reference:** P1154R2**International application number (if already available):** PCT/USfiled with the following Office RO/US

as receiving Office

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Melanie R. Mark

Date: 10/15/98

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the request):

Ruey-Bing Yang

hereby appoints (appoint) the following person as: agent common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

DREGER, Ginger R.

SCHWARTZ, Timothy R.

BUTING, Walter E.

LEE, Wendy M.

TORCHIA, Timothy E.

CONLEY, Deirdre L.

LOVE, Richard B.

JOHNSTON, Sean A.

HASAK, Janet E.

SOVODA, Craig S.

KUBINEC, Jeffrey S.

All of

GENENTECH, INC.

1 DNA Way

South San Francisco, CA 94080-4990

to represent the undersigned before



all the competent International Authorities



the International Searching Authority only



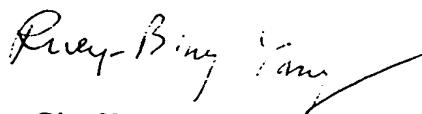
the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: HUMAN TOLL HOMOLOGUES**Applicant's or agent's file reference:** P1154R2**International application number (if already available):** PCT/USfiled with the following Office RO/US

and to make or receive payments on behalf of the undersigned.

as receiving Office

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):

Ruey-Bing Yang

Date:

10 - 14 - 98

This sheet is not part of and does not count as a sheet of the international application.

PCT
FEE CALCULATION SHEET
Annex t the Request

For receiving Office use only

PCT/US 98/21141
International application N.

07 OCT 1998

Applicant's or agent's file reference **P1154R2**

Date stamp of the receiving Office

Applicant **Genentech, Inc. et al.**

CALCULATION OF PRESCRIBED FEES

1. TRANSMITTAL FEE **240.00**

2. SEARCH FEE **1250.00**

International search to be carried out by **EP**

(If two or more International Searching Authorities are competent in relation to the international application, indicate the name of the Authority which is chosen to carry out the international search.)

3. INTERNATIONAL FEE

Basic Fee

The international application contains **81** sheets

first 30 sheets **455.00** 1

51 x **10.00** = **510.00** 2
remaining sheets additional amount

Add amounts entered at b₁ and b₂ and enter total at B **965.00**

Designation Fee

The international application contains **76** designations.

11 x **105.00** = **1155.00**
number of designations fees amount of designation fee

payable (maximum 11)

Add amounts entered at B and D and enter total at I **2120.00**

(Applicants from certain States are entitled to a reduction of 75% of the international fee. Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the sum of the amounts entered at B and D.)

4. FEE FOR PRIORITY DOCUMENT **75.00**

5. TOTAL FEES PAYABLE

Add amounts entered at T, S, I and P, and enter total in the TOTAL box

\$ 3,685.00

TOTAL

The designation fee is not paid at this time.

MODE OF PAYMENT

authorization to charge
deposit account (see below)

bank draft

coupons

cheque

cash

other (specify):

postal money order

revenue stamps

DEPOSIT ACCOUNT AUTHORIZATION (this mode of payment may not be available at all receiving Offices)

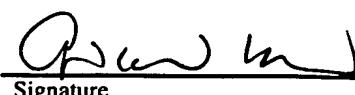
The RO/ **US** is hereby authorized to charge the total fees indicated above to my deposit account.

is hereby authorized to charge any deficiency or credit any overpayment in the total fees indicated above to my deposit account.

is hereby authorized to charge the fee for preparation and transmittal of the priority document to the International Bureau of WIPO to my deposit account.

07-0630

07 October 1998



Deposit Account Number

Date (day/month/year)

See Notes to the fee calculation sheet